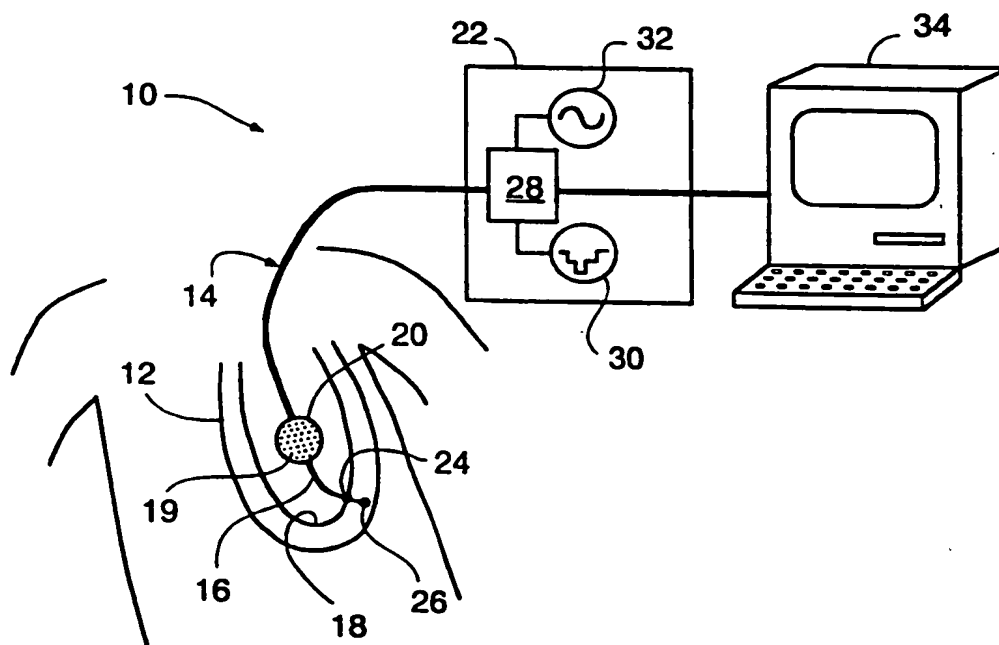




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(54) Title: **ENDOCARDIAL MAPPING SYSTEM**

(57) Abstract

A system for mapping electrical activity of a patient's heart includes a set of electrodes (19) spaced from the heart wall (18) and a set of electrodes (24, 26) in contact with the heart wall (18). Voltage measurements from the electrodes are used to generate three-dimensional and two-dimensional maps of the electrical activity of the heart.